

Suggested Reading - South African Bush

Projects - links to research areas

[Bird Projects](#)

[Small mammal projects](#)

[Plant and habitat Projects](#)

Also check the Operation Wallacea website library pages for publications and research reports

Bird Projects

The use of birds as an indicator species in the South African bush environment

The impact of *fire management practices / elephant damage* in the bush on the diversity of birds

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Johnson MD, Sherry TW, Holmes RT & Marra PP (2006) Assessing habitat quality for a migratory songbird wintering in natural and agricultural habitats. *Conservation Biology* **20**: 1433-1444

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- Kuhnert PM, Martin TG, Mengersen K & Possingham HP (2005) Assessing the impacts of grazing levels on bird density in woodland habitat: a Bayesian approach using expert opinion. *Environmetrics* **16**: 717-747
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- McPherson, JM & Jetz W (2007) Type and spatial structure of distribution data and the perceived determinants of geographical gradients in ecology: the species richness of African birds. *Global Ecology and Biogeography* **16**: 657-667
- Moncrieff GR, Kruger LM & Midgley JJ (2008) Stem mortality of *Acacia nigrescens* induced by the synergistic effects of elephants and fire in the Kruger National Park, South Africa. *Journal of Tropical Ecology* **24**: 655-662
- O'Connor TG, Goodman PS & Clegg B (2007) A functional hypothesis of the threat of local extirpation of woody plant species by elephant in Africa. *Biological Conservation* **136**: 329-345
- Parr CL & Andersen AN (2006) Patch mosaic burning for biodiversity conservation: a critique of the pyrodiversity paradigm. *Conservation Biology* **20**: 1610-1619
- Pomeroy D & Dranzoac C (1997) Methods of studying the distribution, diversity and abundance of birds in East Africa: Some quantitative approaches. *African Journal of Ecology* **35**: 110-123
- Ribeiro NS, Shugart HH & Washington-Allen R (2008) The effects of elephant and fire on species composition and structure of the Niassa Reserve, northern Mozambique. *Forest Ecology and Management* **255**: 1626-1636
- Valentine LE, Schwarzkopf L, Johnson CN & Grice AC (2007) Burning season influences the response of bird assemblages to fire in tropical savannas. *Biological Conservation* **137**: 90-101
- van Rensburg BJ, Chown SL, van Jaarsveld AS & McGeoch MA (2000) Spatial variation and biogeography of sand forest avian assemblages in South Africa
Journal of Biogeography **27**: 1385-1401
- Wilson JW, van Rensburg BJ, Ferguson WH & Keith M (2008) The relative importance of environment, human activity and space in explaining species richness of South African bird orders. *Journal of Biogeography* **35**: 342-352

Small mammal projects

The impact of fire management practices / elephant damage in the bush on the diversity of small mammals

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Avenant NL & Cavallini P (2007) Correlating rodent community structure with ecological integrity, Tussen-die-Riviere Nature Reserve, Free State province, South Africa. *Integrative Zoology* **2**: 212-219

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Happloid DCD & Happloid M (1986) Small mammals of Zomba Plateau, Malawi, as assessed by their presence in pellets of the grass owl, *Tyto capensis*, and by live-trapping. *African Journal of Ecology* **24**: 77-87

Keesing F (1998) Impacts of ungulates on demography and diversity of small mammals in central Kenya. *Oecologia* **116**: 381-389.

Kerley GIH (1992) Ecological correlates of small mammal community structure in the semi-arid Karoo, South Africa. *Journal of Zoology* **227**: 17-27

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- O'Connor TG, Goodman PS & Clegg B (2007) A functional hypothesis of the threat of local extirpation of woody plant species by elephant in Africa. *Biological Conservation* **136**: 329-345
- Parr CL & Andersen AN (2006) Patch mosaic burning for biodiversity conservation: a critique of the pyrodiversity paradigm. *Conservation Biology* **20**: 1610-1619
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Plant and habitat Projects

The impact of *fire management practices* / *elephant damage* in the bush on habitat diversity

- Aarde RJ, Ferreira SM, Kritzinger JJ, Dyk PJ, Vogt M & Wassenaar TD (1996) An evaluation of habitat rehabilitation on coastal dune forests in Northern KwaZulu-Natal, South Africa. *Restoration Ecology* **4**: 334-345
- Angelstam PK (1998) Maintaining and restoring biodiversity in European boreal forests by developing natural disturbance regimes. *Journal of Vegetation Science* **9**: 593-602
- Buckland SM, Thompson K, Hodgson JG & Grime JP (2001) Grassland invasions: effects of manipulations of climate and management. *Journal of Applied Ecology* **38**: 301-309
- Bullock JM, Franklin J, Stevenson MJ, Silvertown J, Coulson SJ, Gregory SJ & Tofts R (2001) A plant trait analysis of responses to grazing in a long-term experiment. *Journal of Applied Ecology* **38**: 253-267
- Challenge C, Maillard D, Gaillard JM, Merlot L & Peltier R (2002) Damage to trees in wooded savanna in Zakouma National Park, Chad. *Journal of Tropical Biology* **18**: 599-614

- Eckardt HC, van Wilgen BW & Biggs HC (2000) Trends in woody vegetation cover in the Kruger National Park, South Africa, between 1940 and 1998. *African Journal of Ecology* **38**: 108-113
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- Hunt LP (2001) Heterogeneous grazing causes local extinction of edible perennial shrubs: a matrix analysis. *Journal of Applied Ecology* **38**: 238-252
- Keeley JE & Fotheringham CJ (2001) Historic fire regime in southern California shrublands. *Conservation Biology* **15**: 1536-1548
- Laws RM (1970) Elephants as agents of habitat and landscape change in East Africa. *Oikos* **21**: 1-15
- Lombard AT, Johnson CF, Cowling RM, Pressey RL (2001) protecting plants from elephants: Botanical reserve scenarios within the Addo Elephant National Park, *Biological Conservation* **102**: 191-203
- Moncrieff GR, Kruger LM & Midgley JJ (2008) Stem mortality of *Acacia nigrescens* induced by the synergistic effects of elephants and fire in the Kruger National Park, South Africa. *Journal of Tropical Ecology* **24**: 655-662
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- Richardson DM, Allsopp N, D'antonio CM, Milton SJ & Rejmanek M (2000) Plant invasions: The role of mutualisms. *Biological Reviews* **75**: 65-93

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- Valentine LE, Schwarzkopf L, Johnson CN & Grice AC (2007) Burning season influences the response of bird assemblages to fire in tropical savannas. *Biological Conservation* **137**: 90-101
- Watkinson AR & Ormerod SJ (2001) Grasslands, grazing and biodiversity: editors' introduction. *Journal of Applied Ecology* **38**: 233-237
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